

TECHNICAL DATA SHEET

76 and 900 Series



Product	Needlepunched nonwoven geotextile
Composition	Polypropylene / Polyester
Main functions	(S) Separation / (F) Filtration / (P) Protection

Property	Test method	CVMS ⁽¹⁾	Unit	SYM ⁽²⁾	Texel 7605*	Texel 7609*	Texel 7612*	Texel 7616	Texel 7618	Texel 912*	Texel 918*	Texel 926	Texel 934	Texel 943
MTQ / BNQ grade					F1	S1-F2	S2-P1	-	-	P2	P3	-	-	-
Physical														
Thickness	ASTM D5199	-	mm	≥			-			2,5	3,5	4,7	5,8	6,5
Weight	ASTM D5261	-	g/m ²	≥			-			250	407	660	930	1370
Durability														
UV resistance	ASTM D4355	-	%/500h	≥		70		50				50		
Mechanical														
Tensile strength	ASTM D4632	<5%	N	≥	400	507	801	1050	1200	1000	1470	2045	2500	3300
		5-10%	N	≥	420	533	840	-	-	1050	1545	-	-	-
		10-15%	N	≥	440	560	880	-	-	1100	1615	-	-	-
Elongation at break	ASTM D4632	-	%	≥			50					50		
Trapezoid tear	ASTM D4533	-	N	≥	180	230	333	444	511	385	515	800	1010	1350
CBR puncture	ASTM D6241	-	N	≥	1200	1570	2110	3000	3450	3300	4000	6200	8 300 ⁽³⁾	10 000 ⁽⁴⁾
Hydraulic														
Permittivity	ASTM D4491	-	s-1	≥	2,00	1,70	1,40	1,20	1,00	0,90	0,70	0,30	0,27	0,20
FOS	CAN148.1No.10	-	µm	⁽⁵⁾	100-250	60-180	45-150	145	130	45-150	45-150	40-90	40-70	30-75
Dimensions														
Width	-	-	m	-						3.81 / 4.57 / 5.25 ⁽⁶⁾				
Length	-	-	m	-	150	150	100	100	100	100	100	100	50	50

*Geotextiles Texel 7605, Texel 7609, Texel 7612, Texel 912 and Texel 918, meets MTQ requirements and all their physical, mechanical, hydraulic and durability values, are certified by the BNQ according to the BNQ7009-210 standard for each of the grades referred to in Table 1 - Geotextile Characteristics. For MTQ/BNQ grades R1 and R2, refer to the Geo-9 data sheet.

Please note that this technical data sheet is updated to take into account the new MTQ/BNQ requirements and the transfer of test methods to ASTM (American Society for Testing and Materials) standards instead of CGSB (Canadian General Standards Board) standards. With the exception of the FOS test method (CAN 148.1 No.10), ASTM test methods are now used, as the CGSB no longer provides updates for these standards. Our quality management system is certified by the ISO-9001 standard. Our internal laboratory is certified by the Geosynthetic Accreditation Institute - Laboratory Accreditation Program (GAI-LAP). Properties are based on the minimum average value per roll (MARV) except for MTQ/BNQ products which are minimums, maximums or intervals and when otherwise specified. Certain values on non-certified BNQ products may vary by ± 5%.

1- The required tensile strength varies according to the established CVMS (Coefficient of Variation of Mass per Unit Area) range. When the CVMS is between 5 and 10%, the tensile strength value must be increased by at least 5% and when the CVMS is between 10 and 15% it must be increased by at least 10%. / 2 - Symbol for the MTQ/BNQ / 3- Average value / 4 - Estimated average value / 5 - Maximum or interval / 6- The 3.5m width will no longer be available for any new production in 2020. Check the standard widths available. Cutting and sewing service available.

Particular attention must be given to storage conditions and handling to avoid any alteration of certain properties. All geotextiles in the 76 and 900 series are manufactured by Texel Matériaux Techniques Inc.

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Texel reserves the right to modify existing properties contingent on the evolution of technical knowledge. Each user is invited to verify if this document represents the most recent update. Texel offers no guarantee and assumes no responsibility regarding usage, installation and/or convenience of usage. Texel must be informed of all product nonconformity prior to installation. Responsibility is limited to replacement of non-compliant or defective product.

